

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2005/050756

A. CLASSIFICATION OF SUBJECT MATTER		
Int. Cl. ⁷ : E01C 19/17, B05B 1/16, 1/20, 1/32		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
DWPI:	1. IPC B05B 1/14, 1/16, 1/20, 1/30, 1/32, E01C 19/17, A01C 23/00, 23/04 & Keywords (align, two, pipe coaxial) & like terms	
	2. Keywords only (spray bar, align, two, pipe, coaxial) & like terms	
EPAT:	1. EC E01C 19/17D, B05B1/32B, A01C23/04D, 23/00B2B	
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4638654 A (LUBRANO) 27 January 1987 Whole document	1-2, 4-6
X	EP 138503 B1 (KAISER ALUMINUM & CHEMICAL CORP) 4 May 1988 Whole document	1-2, 4, 6
X	Derwent DWPI Online Abstract Accession No. 91-375322/51, Class P11, SU 1641212 A (AZERB AGRI MEC ELEC) 15 April 1991 See whole abstract	1-3, 5-6
X	DE 1602123 A (NEUBER) 9 April 1970 Whole document	1-2, 5-6
A	US 5279500 A (PERRIN et al.) 18 January 1994 Whole document	1-13
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* "A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed	
Date of the actual completion of the international search 17 June 2005		Date of mailing of the international search report 06 JUL 2005
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/IB2005/050756

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	4638654	AT	274285	BE	903299	BR	8504790
		CA	1245480	DE	3533305	ES	8608953
		FR	2570622	GB	2165475	NL	8502556
EP	0138503	AU	33581/84	CA	1224348	JP	60096310
		US	4510784				
SU	1641212	NONE					
DE	1602123	NONE					
US	5279500	EP	0470877	FR	2665717		
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							